

Klein, E. E.
THE OXIDATION OF GLUTAMINIC ACID AND ITS
QUANTITATIVE DISTRIBUTION IN VARIOUS PARTS
OF THE BRAIN. [1962] [11]p. 11 refs.
Order from OTS or SLA \$1.60 62-20324

Trans. of Akademiya Nauk Gruzinskoi SSR [Tiflis].
[Soobshcheniya] 1954, v. 15, [no. 1] p. 13-20.

DESCRIPTORS: *Oxidation, *Glutamic acid, *Brain,
Quantitative analysis, Distribution.

The oxidation reaction of glutamic acid proceeds at a greater rate in the dendritocellular mass (grey matter) than in the axons (white matter). The intensity of the reaction depends on the functional nature of the particular area. Greatest intensity is demonstrated by dendrite-cellular masses of those parts which are associated with motor functions. The distribution of the substrates of the reaction, is uniform between the various parts, irrespective of function. (Author)

62-20324

I. Klein, E. E.

(Biological Sciences
Biochemistry Division, 1962)
Office of Technical Services

Reexamination Paths of the Adenylic System in Nerve
and Muscle Tissues, by P. A. Komstiani, E. E.
Klein, 8 pp.

RUSSIAN, bimo per, Biokhim, Vol XII, No 3,
1956, pp 389-396.

Consultants Bureau

Sci - Biol
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Klein, E. E.
SOURCES OF AMMONIA FORMATIONS IN BRAIN
TISSUE. [1962] [1]p.
Order from SLA \$1.10

62-14732

[Summary] trans. of unidentified Russian (?) article,
n.p., n.d.

DESCRIPTORS: *Brain, Tissues (Biology), *Ammonia,
*Adenine derivatives, Glutamic acid, Glutaminases.

(Biological Sciences--Biochemistry, TT, v. 8, no. 7)

62-14732

I. Klein, E. E.

Office of Technical Services

Formaldehyde Copolymer, by E. T. Klein,
11 pp.

JAPANESE, Patent No 2194, 12 Mar 1960.

ATB-22A2J

ATS/JJ-2493

Sci
Vol IV, No 7
Apr 62

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The Chemical Composition of the Nucleic Acids of
Malignant Tissue, by G. Klein, J. Beck, 24 pp.

GERMAN, per, Z Krebsforsch, Vol XLII, 1935,
pp 163-177.

SIA Tr 57-403

Sci - Chem; Med
Jul 57

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Klein, G. and Herndlhofer, E.
MICROCHEMICAL DETECTION OF ALKALOIDS
IN PLANTS, II. [1962] 12p.
Order from K-H \$15.00

K-H 4078

Trans. of Österreichische Botanische Zeitschrift
(Austria) 1927, v. 76, p. 222-228.

DESCRIPTIONS: Microchemistry, *Plants, *Alkaloids,
*Detection (Chemical).

(Chemistry--Analytical, TT, v. 8, no. 10)

62-22496

I. Klein, G.
II. Herndlhofer, E.
III. K-H-4078
IV. Kresge-Hooker Science
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Detroit, Mich.

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Office of Technical Services

1. Exploitation of the Breakthrough by Large
Mobile Units, by D. Nikishov, 23 pp; 2. Control
of a Tank Corps When It Is Committed in a Break-
through, by G. Klein, 10 pp., ~~MICHA~~ UNCLASSIFIED

Full translation.

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No 8, 1943, p 32.

ID 08084 C-591-C (1-2)

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May 53 CTS

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The Application of the Method of "Compensation of Moments" in the Calculation of Pipes and Arches,
Allowing for the Plastic Properties of Ferro-Concrete,
by G. K. Klein.

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pl 59-64.

NLL M. 2579

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Sci - Engr

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tentative Standards for Disintegrating Property
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Drugs and for the Type of Substances Permitted
for the Manufacture of these Preparations, by
J. Richter, H. Klein,

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Metal Sheets and their Development for Quality,
by H. Klein, 13 pp.

GERMAN, per, Stahl u Eisen, Vol LI, 12 Feb 1931,
pp 189-196.

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The Physical and Mathematical Basis for Calculating
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by Means of Difference Equations, by
H. Klein,

GERMAN, per, Glasserei, No 10, March 1953,
ID 441-454.

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Tr No D-200-153-54,
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23,600 Scientific - Mathematics May 95 CWS

High Grade Threaded Joints, by Hans Cristof
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OBEGAU, per, Konstruktion in Maschinen-Aparate-
und Apparaturen, Vol XI, No 6, 1950, pp 201-212;
No 7, 1950, pp 259-264.
Dept of Navy /Navships Tr-1004

APPLICATION OF GUARDED, NAVAL SHIP GUARD CYSTIC
LUBRICANT, LIQUID, CIVIL & MARINE EQUIP.
Doc 66 SIS, S 63

Esters for Monofunctional Alcohols as PVC Plasticizers, by Franz Würstlin, Hermann Klein, 13 pp.

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pp 3-8.

CIA/FDO XX-412

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Sci - Chem
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IAC INTERNAL USE ONLY

Investigation of the Influence of Friction on the
Prelod Tension and Starting Moment of Screw Joints:
by R. Hellerman, H. C. Klein.

GERMAN, per, Construction, No 2, 1955.

BBN 2420

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Starting Torques for Tightening Bolted Joints, by
R. Kellermann, H. Ch. ~~Klein~~.
GERMAN, per, Werkstatttechnik, No 4, 1960, pp
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BISI 1787

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Gestagenic Action of Desoxycorticosterone and
Testosterone, by I. Klein, G. K. Ober, 6 pp.

Full translation.

GERMAN, per, Klin Wochrft, Vol XXX, 1952, pp 1009-11.

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Scientific - Chemistry

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Klein, Isobel Miriam and Tyran, Leo Walter.
COMPOSITIONS BASED ON COPOLYMERS OF
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Trans. of French patent 1,323,377, 25 Feb 63,
PV no. 898,809, filed 28 May 62 (filed in U.S.A. as
no. 112,757, 26 May 61) by E. I. DuPont de Nemours
and Co., USA (pub. in Bulletin Officiel de la Propriete
Industrielle (France) 1963, no. 14).

TT-63-20841

I. Klein, I. M.
II. Tyran, L. W.
III. Patent (France) 1 323 377

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(Materials--Adhesives, TT, v. II, no. 11)

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Lillege/ asymptomatic Infectious Lymphocytosis, 46
by Iu. S. Klein,
ERBESINN, perz, Probl Genet, Vol 7, No 5,
1962, pp 55-56.
REF ID: A2-19-66

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Experimental and Clinical Investigations of ³⁷
the Choleretic Action of α -Naphthyl Acetic
Acid and p-Tolylmethylesterine Nicotinic
Acid Ester, by G. Witzsberger, K. Klein.
GERMAN, per, Wiener Medizinische Zeitschrift,
Vol 108, No 23, 1958, pp. 504-7.
NTC 69-11583-060

K Klein

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Clinical Experiences with 2-Piperidine-Ethyl-
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(Hydrochloride). by K. Klein.
GERMAN, per, Wiener Medizinische Wochenschrift, Vol 108, No 8, 1957, pp. 176-8.
NTC 69-11581-060

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Experiments Concerning the Effect of RA 8
Upon Circulation and Pulmonary Function,
and Clinical Experiences, by H. Hemmerl,
K. Klein, O. Pechler, 12 pp.

GERMAN, per, Arztlich Forsh., Vol XXXI,
No 4, 1959, pp 196-200.

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Vol 4, No 9

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Klein, Lewis, ed.
DISPERSION RELATIONS AND THE ABSTRACT APPROACH TO FIELD THEORY. International Science Review Series, Vol. 1. 1961. 288p.
Order from GB \$4.95

Compilation of new material including the classical papers of Lehmann, Symanzik, Zimmermann and Jost.

DESCRIPTORS: *Quantum mechanics, Theory.

61-25020

- I. Title: Dispersion relations
- I. Klein, L., ed.
- II. Title: International...
- III. Gordon and Breach,
Publishers, Inc.,
New York

(Physics--Theoretical, TT, v. 6, no. 7)

Office of Technical Services

Absorption of Homatropine, Pilocarpine and
Eserine, by Miles Klein, 13 p.

GERMAN, Manuscript, Archiv für Ophthalmol., 1934,
Vol XXXI, No 1, pp 25-31.

SLA 60-10503

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Absorption of Atropine, by Miltos Klein,
24 p.

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Vol XXXIX, No 3, pp 413-425.

SEA 60-10906

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Vol III, No 3

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Experimental Studies of the Eye in Regard to
Absorption from Ointments, by H. Klein,
L. Scheffer, ²⁶, p. ²⁶.

CHENNAU, manuscript Arch Optochthalmol, 1932, Vol
Vol XXXII, No 3, pp 469-472.

SLA 60-10907

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Vol III, No 3

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Klein, O. and Lange, E.
NÖRMAL VOLTAIC POTENTIALS $\Delta\psi_0$ OF THE
MOST IMPORTANT ELECTROCHEMICAL TWO-
PHASE SYSTEMS, ESPECIALLY OF THE ELEC-
TRODES: METAL/METAL SALT SOLUTION. [1961]
22p.
Order from ATS \$36.95

ATS-10N54G

Trans. of Z[eitschrift für] Elektrochem[ie] (Germany)
1937, v. 43, no. 8, p. 570-584.

DESCRIPTORS: *Electrochemistry, Phase studies,
Voltage, Electric potential, Electrodes, Electrolytes,
Solutions.

(Unannounced)

61-25660

- I. Klein, O.
- II. Lange, E.
- III. ATS-10N54G
- IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

Normal Volta Potentials ν_0 of Electrochemical Two-Phase Systems Along with a Contribution to the Time-Dependent Changes of the Surface Structure of Highly Concentrated Electrolyte Solutions, by O. Klein, R. Lange, 10 p.

GERMAN, per, Zeit Elektrochem, 1938, Vol XLIV,
No 8, pp 562-568.

AM5-27L336

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The Representation of Fixed Complement by the Human
Anti-Complement, by P. Klein, P. Burkhardt

GERALD, per, Schweizerische Zeitschrift für Medizinische
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Viruses Isolated from Monkeys with Special
Reference to the Simian Vacuolate Virus
40 (SV 40), by A. Fenyves, R. Klein,
BUDAPEST, per, Studii si Cercetari de
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JPP: GSO: RT 13641

S-435/67

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I. Recent Research on Experimental Leukemias; II.
Attempt at Interpretation of the Origin of Leukemias
and Other Cancers. A Synthetic Theory. The Mito-
chondrial Theory, by R. Klein, 20 pp.

FRENCH, per, *Le Sang*, Vol XXIII, No 9, 1952,
pp 771-779.

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WEUR - France

Scientific - Medicine

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Principles in Preparation and Preserving of Tissue,
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pp. 16-30.
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Boston, MA
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Robert M. Klein

LA-2000-1
Bob
May 66

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Klein, Rudolf and Wegner, Udo.
MODERN IDEAS ON TRACKLAVING USING J-FLEX
AND T-FLEX SPRING SPIKES. [1958] [13p].
Order from SLA \$1.60 61-16217

Trans. of [ETR] Eisenbahntechnische Rundschau
(West Germany) 1957, no. 7, p. 266-273.

DESCRIPTORS: *Railroad tracks, Steel, Heat treatment,
Elasticity, Damping, Friction, Load distribution,
*Studs, *Connecting rods, Springs, Design.

J-Flex and T-Flex spring spikes represent the fulfillment of a plan to provide a firm connection between rail and sleeper with adequate elasticity and damping ability and little bulk, the load causing changes in shape with a minimal wear, which being calculated accurately to meet the requirements, will give a long life. In J-Flex and T-Flex spring spikes all scientific (Machinery--Transport, TT, v. 7, no. 4) (over)

61-16217

1. Title: J-flex
2. Title: T-flex
3. Title: Spring spikes

I. Klein, R.
II. Wegner, U.

191055

Office of Technical Services

Device for Converting the Ionizing
Energy, Emerging From a Nuclear
Reactor, Into Electricity, by
S. Klein, P. Kraus.
FRAMCO, pp2. Paper Presented at the 6th
AGARD Combustion and Propulsion
Colloquium, Cannes, March 16, 20, 1964.
NASA TT F-3598

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Sci-Blect
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Klein, S.

THE DIRECT CONVERSION OF THERMAL ENERGY INTO ELECTRICAL ENERGY. [1963] [21]p. (foreign text included) 2 refs.

Order from SLA \$2.60

63-14377

K-H-12511

Trans. of International Conference on Ionization Phenomena in Gases (no. 5) Munich, 1961. Proceedings, p. 806-814.

DESCRIPTORS: *Energy conversion, *Thermoelectricity, Ionization, Vapors, Mercury, Electrodes, Temperature, Tests, Measurement, *Electricity

We have been able to establish an important separation of positive and negative electric charges in a jet of ionized vapour, metallic or otherwise (mercury, cesium and water) which tends to condense at room temperature. These pressurized vapours, ionized by an H. F. source, enter through a vent into an expansion chamber--Electricity, TT, v. 10, no. 4) (over)

63-14377

I. Klein, S.

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Office of Technical Services

The Direct Conversion of Thermal Energy
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RISSIM, rpt., Proceedings 5th Int Conf.
Ionization Phenomena in Gases, Berlin, 1961,
pp 200-214. 9230596
AEC-ORNL-Tr-29

Klein, S

Thermal - Electric
Doc 65 292,1890

A Process for Conversion of Ionizing
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Electricity, by Siegfried Klein.
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Sci-Phys
Doc 65

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11 pp.

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1961, Vol. 20, pp. 3070-3071, 1963
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Rev. Committee
Report

202-0294

Klein, Siegfried.

ELECTRICITY: ON AN EFFECT OF DIRECT CONVERSION OF HEAT TO ELECTRICITY (Electricite - Sur un Effet de Conversion Directe de la Chaleur en Electricite). [1963] [5]p. (foreign text included) 3 refs. Order from SLA \$1.10 63-14376

Trans. of Academie des Sciences [Paris]. Comptes Rendus (France) 1962, v. 254, no. 1, p. 1946-1947 (pub. by Gauthier-Villars et Cie., Paris).

DESCRIPTORS: *Electricity, *Energy conversion, Ionization, Vapors, *Thermoelectricity.

(Physics-Electricity, TT, v. 10, no. 4)

63-14376

I. Klein, S.
II. Title: On an ...

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Klein, U. E.
PULMONARY TISSUE TRANSFORMATIONS BY
TOBACCO SMOKE CONDENSATE IN ANIMAL
EXPERIMENTS. [1963] 12p. (figs. omitted) 23 refs.
Order from SLA \$1.60 65-16455

Trans. of Beiträge zur Tabakforschung [sic] 1962,
no. 3, p. 180-185.

DESCRIPTORS: Tissues (Biology). *Lungs. *Tobacco.
*Smoke. Laboratory animals. Toxicity. Cigarettes.

After an introductory literature survey on the question of inducing lung cancer in animal experiments by the direct inhalation of tobacco smoke or by intrapulmonary application of smoke condensate, a method is described for the single tracheal introduction of smoke condensate into the peripheral sections of the bronchial system of rats. A histological examination of the lungs (Biological Sciences--Toxicology. TT, v. 10, no. 7)(over)

65-16455

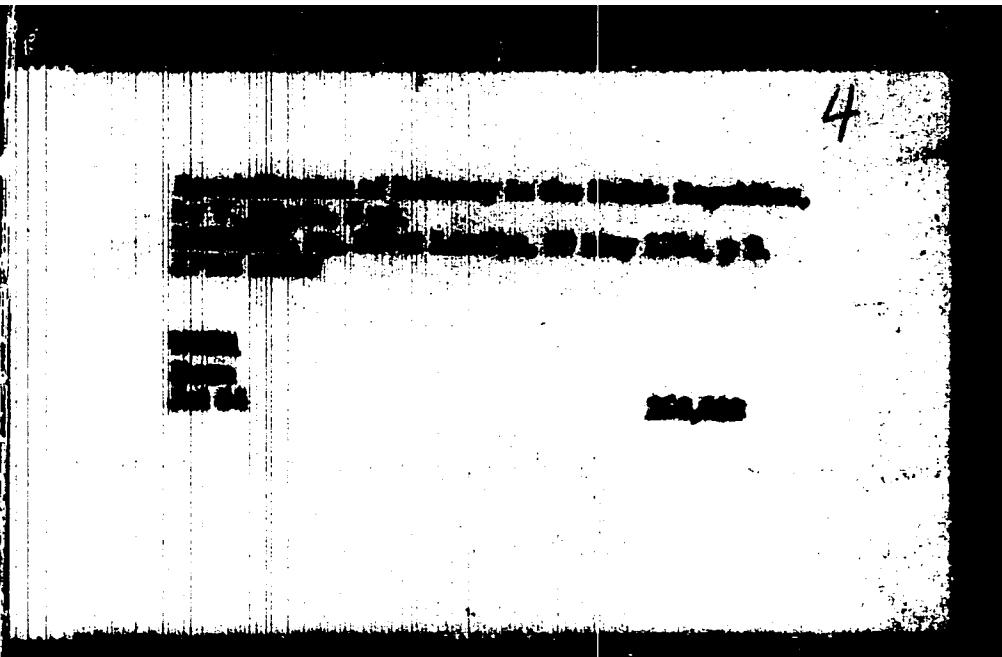
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A247328

Office of Technical Services

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CIA-RDP91-00772R000200860029-1

The Behaviour of Travelling Wave Tubes in the
Dispersive Region of the Slow-Wave Structure, by
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GERMAN, per, Archiv der Elektrischen Übertragung,
Vol VII, 1953, pp 236-248. CIA9017115

ACSL Tr 926

Sci - Physica
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The Use of Hole Coupling in the Centimetre Waveband, by H. Doring, W. Klein, 11 pp.

GERMAN, per, Elektrotech Zeitschrift, Vol LXXIII,
No 1, 1952, pp 5-9.

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Scientific - Electronics
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Twin Formation in Silver Halide
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Sci-Chem
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Summary of Present Concepts of Spectral
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pp 16-39.
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Growth and Crystal Form of the Silver
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GERMAN, per, Nist Photochemie, Agfa
Leverkusen-Mannheim, Vol IV, 1964,
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New Building Systems For Dwellings-the
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A helix linear accelerator for electrons and a
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23 pp.

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Horst Klein

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Physiographic study of sleep in birds, by
L. Klein, et al.
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Electro-Chemical Two-Phase Systems, In Particular
of Metal Electrodes in Metal Salt Solutions, by
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GERMAN, per, Zeitschrift für Elektrochemie,
Vol. 43, No. 8, 1937, pp 570-584

O. Klein

Sci -
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Normal Volta Potentials &% of the More Important
Electro-chemical Two-phase Systems, in Particular
of Metal Electrodes in Metal Salt Solutions, by
O. Klein, E. Lenge.

GERMAN, per, Zeitschrift für Elektrochemie, Vol 43,
No 8, pp 570-584, 1937.

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On A Process of Conversion into Electricity
of the Ionizing Energy Produced by a Nuclear
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FRENCH, per, Comptes Rendus, Vol 258,
No 10, 1964, pp 2767-2770.
NTC 69-12443-18L

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Experimental Studies on the Sulfuric Metabolism,⁴⁷
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On the Dimensions of Helices in Travelling
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GERMAN, per, Archiv der Elektrischen Übertragung,
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Sci - Physics

ACSIIL Tr 925

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Measurement of the Major Parameters Governing
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GERMAN, per, Archiv der Elektrischen Übertragung
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ACSL Tr 924

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Aug 58

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Centrifugal Pump With a Stuffing Box Relieved From
Int Pressure, by Wilhelm Klein, 4 pp.

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Jan 59

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Development and Training of American Agents for French Communists, by W. Kleinert.
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W Kleinert

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R. Klement

Composition of bone support substance. 12 pp.
GERMAN, Z. Physiol. Chem. Vol 184, 1929, pp 132-142
NASA TT F 13, 916

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Isotope Separation in Molecular Pumps, by W. Fischer,
A. Klemm, 22 pp.

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CIA/FDD X-4072

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Separation of Isotopes by Ionic Migration by
A. Hlemm, 19 pp.

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1955, pp 73-89.

AEC-tr-5926

Sci - Nuc Sci
Oct 63

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Préparation et Utilisation du Lithium Enrichi en
 ^{6}Li et du Lithium Enrichi en ^{7}Li , (Preparation and
Utilization Enriched in Li^6 and Lithium Enriched in
 Li^7), by A. Klens, 12 pp.

Chemie zu Strom, per, Z Elektrochem, Vol LVIII,
1954, pp 609-610.

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A-588/64

On the Theory of Phase Segregation and Its Application
to the Phenomena Precipitation Hardness and Strength
at High Temperatures, by H. Klemm, 4308.

GERMAN, per, Metall., Vol XVII, No 2, 1963,
pp 113-123.

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21 May 64

Klemm, H. and Wiegmann, K.
METALLOGRAPHIC OBSERVATIONS ON DIAMOND-POLISHED SAMPLES (Metallographische Betrachtungen an Diamantpolierten Proben). [1961] {10}p. 7 refs.
Order from SLA \$1.10

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Trans. of Werkstoffe und Korrosion (West Germany)
1960, v. 11, p. 739-743.

DESCRIPTORS: *Metals, Alloys, Electrolytic polishing,
Abrasives, *Industrial diamonds, Tests, Metallurgy.

(Metallurgy, TT, v. 7, no. 10)

62-10725

I. Klemm, H.
II. Wiegmann, K.

208234

Office of Technical Services

Infinitely Long Separating Tube With an Inlet
by Alfred Klein, 19 pp.

GERMAN; part, Z. Naturforsch, Vol IIIa, 1948,
pp 211-216.

ABC tr-3012

Sci. -
Jun 60

100%
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(NY-6351)

East German - Czechoslovak Cooperation in the
Standardization of the Textile Industry, by
E. Klemm, 5 pp.

GERMAN, per, Standardisierung, Vol VII, No 6,
Mar 1961, pp 1/304, 1/305.

JPRS 9346

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158, 064

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Klemm, H.
SEGREGATION AND HEAT-RESISTING BEHAVIOR.
[1962] [18]p. 7 refs.
Order from: SIA \$1.60

62-14129

Transl. of Metall (West Germany) 1959, v. 13 [no. 8]
p. 752-759.

DESCRIPTORS: Metals. Impurities. *Heat-resistant
alloys. Creep. Grains (Metallurgy). Fracture
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